

Visible Representation of Components Condition

A non-intrusive predictive maintenance tool, infrared thermographic imaging provides visible representation of your components' relative condition. This proven technology transforms energy emissions into color coded maps for maintenance use.

Horner Industrial Services, Inc. technicians use state of the art thermographic equipment to conduct surveys at regularly scheduled intervals on equipment under load to acquire component-specific information without interruption of production. These surveys result in equipment-specific reports that contain information on temperature differences between the problem item and known good items, with related comments and recommendations.

Wide-Ranging Applications

This technology provides testing of electrical and mechanical components not normally available, including:

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|----------------------------|---------------------------|
| Fuse Holders | Motor Brushes |
| Breaker Panels | Bearings |
| Electrical Lug Connections | Hot Process Piping |
| Gearboxes | Cold Process Piping |
| Wiring Splices | Valve/Lines |
| Oil Lines | Refrigerated Coolers |
| Dry Transformers | Steel Processing Furnaces |
| Wet Transformers | Liquid Levels |

Your 24-Hour Industrial Solutions Provider

www.hornerelectric.com
877-HORNER2

Process Critical Items

Horner Industrial Services, Inc.'s Infrared Scanning & Analysis program is based on the combined efforts of Horner technicians and your representatives. This team identifies equipment, with particular attention paid to process critical, non-spared items. Once the critical equipment list is established, the team further refines each description to identify specific components needing attention. The team then finalizes scanning routes and test frequency for each component.

Scanning Route

A logical order of progression is outlined for each Horner procedure. As periodic scans are conducted, problem areas are identified. Each scan is recorded digitally, equipment loading and environmental aspects noted, and all information stored to establish baseline data and for future reference. Horner trends the results of each periodic scan, and exception conditions are noted for your reference.

Report Reviews

After each periodic scan, the thermographic images, digitalized visible images, and exception conditions are reviewed, and a final report, developed by analysis software, is produced by Horner. This report provides a list of problem items, suspected cause, and suggested corrections.

Horner Industrial Services, Inc. has long-established preventative and predictive maintenance programs that use thermographic imaging in conjunction with other advanced tests and examination tools. Our network of service centers deliver partial and comprehensive maintenance tailored to your needs.

